

Reply to Office Action dated August 21, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A portable computer, comprising:

a portable computer unit having a configuration that allows a system mode to be switched between a notebook computer mode and a tablet computer mode;
a rotation detection switch to provide a rotation detection signal having either a first state or a second state; and

~~a controller, configured to determine the configuration of the portable computer unit responsive to a system power supply of the portable computer being turned on, to recognize a notebook computer mode when the rotation detection signal is in a first state and to recognize a tablet computer mode when the rotation detection signal is in a second state, wherein the controller operates an application program for the tablet computer mode or the notebook computer mode according to the determination recognition, and wherein the controller provides inactivation of a keyboard when the controller recognizes the tablet computer mode.~~

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2. (Currently Amended) The portable computer of claim 1, wherein the controller selectively enables a different corresponding operating system for the tablet computer mode [[or]]than the notebook computer mode.

3. (Currently Amended) The portable computer of claim 1, wherein the portable computer unit is a display module whose rotation state allows the system mode to be switched between the notebook computer mode [[or]]and the tablet computer mode.

4. (Currently Amended) The portable computer of claim 3, further comprising a detector coupled to the controller and configured to detect the rotation state of the display module, wherein the detector comprises:

~~a magnetic sensor or a~~ the rotation detection switch based upon a mechanical contact; and

a first controller configured to detect an ON/OFF state of the ~~magnetic sensor or~~ the rotation detection switch.

5. (Original) The portable computer of claim 4, wherein the first controller is one of a keyboard controller, a south bridge and an input/output (I/O) controller.

6. (Original) The portable computer of claim 1, wherein the controller is a basic input/output system (BIOS).

7. (Previously Presented) The portable computer of claim 6, wherein the controller selects and boots an operating system (OS) for a tablet computer when a detected rotation state of the display module corresponds to the tablet computer mode.

8. (Previously Presented) The portable computer of claim 6, wherein the controller selects and boots an OS for a notebook computer when a detected rotation state of the display module corresponds to the notebook computer mode.

9. (Original) The portable computer of claim 1, wherein the controller determines a physical configuration of the portable computer unit.

10. (Currently Amended) An apparatus for booting a system in a portable computer including a display module whose rotation state allows a system mode to be switched to a notebook computer mode or a tablet computer mode, comprising:

detection means for detecting the rotation state of the display module when a system power supply provided in the portable computer is turned on, the detection means

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including a rotation detection switch to provide a rotation detection signal having either a first state or a second state; and

control means for selectively booting an operating system (OS) for a tablet computer [[or]] when the control means recognizes a tablet computer mode by the rotation detection signal being in the first state and for selectively booting an OS for a notebook computer according to a result of the detection when the control means recognizes a notebook computer mode by the rotation detection signal being in the second state.

11. (Currently Amended) The apparatus of claim 10, wherein the detection means comprises:

~~a magnetic sensor or a~~ the rotation detection switch based upon a mechanical contact; and

a controller for detecting a status of the ~~magnetic sensor or the~~ rotation detection switch.

12. (Original) The apparatus of claim 11, wherein the controller is one of a keyboard controller, a south bridge and an input/output (I/O) controller.

13. (Original) The apparatus of claim 10, wherein the control means is a basic input/output system (BIOS).

14-15. (Canceled)

16. (Currently Amended) A method for booting a system in a portable computer, comprising:

~~detecting one of a notebook computer configuration and a tablet computer configuration a state of a rotation detection signal when a system power supply provided in the portable computer is turned on; and~~

~~selectively booting an initialization application program for a tablet computer or when the portable computer is recognized to be in a tablet computer mode based on the rotation detection signal being detected to be in a first state; and~~

~~selectively booting an initialization application program for a notebook computer according to said detecting when the portable computer is recognized to be in a notebook computer mode based on the rotation detection signal being detected to be in a second state.~~

17. (Original) The method of claim 16, wherein the detecting comprises detecting a rotation state of a display module.

18. (Original) The method of claim 16, wherein the rotation state of the display module is detected by a magnetic sensor or a rotation detection switch based upon a mechanical contact.

19-20. (Canceled)

21. (Currently Amended) An article including a machine-readable storage medium containing instructions for booting a system in a portable computer including a display module whose rotation state allows a system mode to be switched to a notebook computer mode or a tablet computer mode, the instructions, when executed, causing the portable computer to:

detect the rotation state of the display module when a system power supply provided in the portable computer is enabled; and

selectively boot an operating system (OS) for a tablet computer or when the portable computer is determined to be in a specific mode based on the rotation detection signal being detected to be in a first state; and

selectively boot an initialization program for a notebook computer according to the detection when the portable computer is determined to be in a specific mode based on the rotation detection signal being detected to be in a second state.

22-58. (Canceled)

59. (New) The article of claim 21, further comprising the portable computer to provide a keyboard in an inactivation state when the rotation detection signal is in the first state.

60. (New) The method of claim 10, wherein the control means deactivates a keyboard when the rotation detection signal is detected to be in the first state.

61. (New) The method of claim 16, further comprising providing a keyboard in an inactivation state when the rotation detection signal is detected to be in the first state.